### Certificate Under 37 CFR 1.8(a)

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SEP 1 7 2004

**Technology Center 2100** 

PATENT Case No.: 10022/041

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	)
	) Group Art Unit: 2155
Scott R. Sargent	)
	) Examiner: Michael Young Won
Serial No.: 09/677,074	)
	) Confirmation No. 2139
Filed: September 29, 2000	)
	)
For: BASE SERVICE ARCHITECTURES	)
FOR NETCENTRIC COMPUTING	)
SYSTEMS	)

# DISCLOSURE OF PRIOR ART UNDER 37 C.F.R. § 1.56

U.S. Patent and Trademark Office 2011 South Clark Place Customer Window MAIL STOP RCE Crystal Plaza Two, Lobby Room 1B03 Arlington, VA 22202

Dear Sir:

In connection with the examination of the above-identified application, the applicant, through the subscribing attorney, hereby invites the Examiner's attention to the enclosed list of prior art.

Also enclosed are copies of a Request for Continued Examination and a Preliminary Amendment in the above-referenced application, which is being transmitted simultaneously herewith under separate cover, via express mail, Express Mail Label No. EV425069478US.

While the attached list of prior art is believed to include the closest prior art of which the applicant is presently aware, the applicant does not represent that any search for prior art has necessarily been made nor that no better prior art exists. For the convenience of the Examiner, a copy of each piece of prior art listed is attached hereto.

Respectfully submitted,

Sanders N. Hillis Reg. No. 45,712

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FORM PTO-1449	SEP	RIAL NO.		CASE NO.
	MA.	[8	09/677,074	10022/041
LIST OF PATENTS AND PUB	LICATIONS FOR	FILING DATE		GROUP ART UNIT
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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT			CLASS/	FILING
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## FOREIGN PATENT DOCUMENTS

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EXAMINER INITIAL		DOCUMENT NUMBER Number-Kind Code (if known)	DATE	COUNTRY	Technology (AST 2 00 YES OR NO
· · · · · · · · · · · · · · · · · · ·	A1	EP 0520923 A2	12/30/1992	Europe	G06F 15/21
	A2	EP 0697655 A2	02/21/1996	Europe	G06F 9/46
	A3	EP 0697691 A2	02/21/1996	Europe	G09G 5/14
	A4	EP 0769739 A2	04/23/1997	Europe	G06F 9/44
	A5	EP 0810520 A1	12/03/1997	Europe	G06F 9/44
	A6	EP 0829808 A2	03/18/1998	Europe	G06F 13/38
· · · · · · · · · · · · · · · · · · ·	A7	EP 0915422 A1	05/12/1999	<sup>'</sup> Europe	G06F 11/22
	A8	GB 2315891 A	02/11/1998	United Kingdom	G06F 17/30
	A9	WO 92/20022	11/12/1992	PCT	G06F 1/00
	A10	WO 97/12311	04/03/1997	PCT	G06F
	A11	WO 98/52121	11/19/1998	PCT	G06F 11/32
	A12	WO 98/53396	11/26/1998	PCT	G06F 9/44
	A13	WO 98/54660	12/03/1998	PCT	G06F 17/30
	A14	WO 98/57260	12/17/1998	PCT	G06F 9/44
	A15	WO 99/38079	07/29/1999	PCT	G06F 13/00

EXAMINER INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS  (Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial,			
	A16	Billy B.L. Lim, "Teaching web development technologies in CS/IS curricula," ACM, copyright 1998, pp. 107-111		
	A17	Litoiu et al., "A performance engineering tool and method for distributed applications," ACM, pp. 1-14		
	A18	Zoller et al., "A toolkit for an automatic, data dictionary based connection of databases to the WWW," ACM, copyright 1998, pp. 706-718		
	A19	McDowell et al., "Unloading Java classes that contain static fields," ACM, v. 33(1), 10/15/1997, pp. 56-60		
	A20	Orfali, R., Harkey, D., "Client/Server Programming with OS/2 2.0 (2nd Ed.)" 1992, Van Nostrand Reinhold New York, U.S., pp. 10-24, 111-137, 149-160, 588-594, XP002164217, ISBN 0-442-01219-5		
	A21	Orfali, R., Harkey, D., Edwards, J., "Intergalactic Client/Server Computing," Byte, McGraw-Hill, Inc., St. Peterborough, U.S., Vol. 20, No. 4, 1 April 1995, pp. 108-110, 114, 11, XP000501823, ISSN: 0360-5280;		
	A22 Smeets, J., Boyer, S., "Internet and Client Server Patent Information Systems: New Server Derwent," World Patent Information, GB, Elsevier Sciences Publishing, Barking, V No. 2, June 1998, pp. 136-139, XP004165804, ISSN 0172-2190			
	A23	Orfali, R., Harkey, D., "Client/Server With Distributed Objects," Byte, McGraw-Hill, Inc., St. Peterborough, U.S., Vol. 20, No. 4, 1 April 1995, pp 151-152, 154, 156, XP000501827, ISSN 0360-5280		

EXAMINER DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Page 2 of 4 SERIAL NO. Technology/Genter/2100 **FORM PTO-1449** 10022/041 LIST OF PATENTS AND PUBLICATIONS FOR FILING DATE **GROUP ART UNIT** APPLICANT'S INFORMATION DISCLOSURE September 29, 2000 **STATEMENT** APPLICANT(S): Scott R. Sargent (use several sheets if necessary)

EXAMINER	OTHER ART – NON PATENT LITERATURE DOCUMENTS			
INITIAL	(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial,			
ļ		nposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.		
	A24	Aoyama, M., Hanai, Y., Suzuki, M., "An Integrated Software Maintenance Environment:		
		Bridging Configuration Management and Quality Management," Proceedings of the		
		Conference on Software Maintenance, International Conference on Software Maintenance,		
	105	Washington, US, IEEE Computer Society Press, 24 October 1988 pp. 40-44		
	A25	Borsook, P., "Seeking Security. Mainframe Techniques Define System Security. Soon, they'll		
		be Adapted To Distributed Client/Server Systems." Byte, McGraw-Hill, Inc., St. Peterborough,		
	100	Vol. 18, No. 6, 1 May 1993, pp. 119-122, 124, 12, XP000359327, ISSN 0360-5280.		
	A26	Tanenbaum, A., "Computer Networks - Third Edition," Prentice-Hall International, London, GB, 1996, pp. 28-39, XP002161723		
	A27	Blakeley, J.A., "Universal Data Access with OLE DB," Proceedings of IEEE Compcon, U.S. Los		
		Alamitos, IEEE Computer Society Press, 23 Feb. 1997, pp. 2-7		
İ	A28	IBM Technical Disclosure Bulletin, "Security, License Management and Application Metering		
		Process for Controlling Applications in the DOS Environment," IBM Corp., New York, US, Vol. 37, No. 11, pp 195-199, 1 Nov. 1994		
	A29	Voth, G.R., Kindel, C., Fujioka, J., "Distributed Application Development for Three-Tier		
		Architectures: Microsoft on Windows DNA," IEEE Internet Computing Vol. 2, No. 2, March/April		
		1998, USA		
	A30	Lambert, N., "A New Patent Search Tool For The Internet. Q-PAT US." Database, US,		
		Cincinnati, Vol. 19, No. 4, 1 August 1996		
(4)	A31	Abdel-Mottaleb, M., Hsiang-Lung, W., Dimitrova, N., "Aspects of Multimedia Retrieval," Philips		
		Journal of Research, NL, Elsevier, Amsterdam, Vol. 50, No. 1, 1996, pp. 227-251		
	A32	Olson, M.A., "DataBlade extensions for INFORMIX-Universal Server," Compcon '97		
		Proceedings, IEEE, 1997, pp. 143-148		
	A33	Chamberlin, D.D., "Evolution of Object-Relational Database Technology in DB2," Compcon '97		
		Proceedings, IEEE, 1997, pp. 131-135		
	A34	Nori, A.K., Kumar, S., "Bringing Objects to the Mainstream," Compcon '97 Proceedings, IEEE,		
		1997, pp. 136-142		
	A35	"Data Joiner: A Multidatabase Server Version 1," White Paper, IBM Data Management		
		Solutions, IBM, USA, second edition (May 1995)		
	A36	"Effective Systems management for DB2 Universal Database," White Paper, IBM Data		
		Management Solutions, IBM, USA, first edition (December 1996)		
	A37	Pleas, K., "Ole's Missing Links," BYTE, McGraw-Hill Inc., St. Peterborough, US, Vol. 21, No. 4,		
		1 April 1996, pp. 99-102 X-000586036, ISSN 0360-5280		
	A38	Burke, M.G., Choi, J.D., Fink, S., Grove, D., Hind, M., Sarkar, V., Serrano, M.J., Sreedhar,		
		V.C., Srinivasan, H., "The Jalapeno Dynamic Optimizing Compiler for Java," Java '99, San		
	40.00	Francisco, CA, US, ACM 12 June 1999, pp. 129-141 XP002134655		
	A39	Cramer, T., Friedman, R., Miller, T., Seberger, D., Wilson, R., Wolczko, M., "Compiling Java		
0. 12		Just in Time," IEEE Micro, IEEE Inc., New York, US, Vol. 17, No. 3, 1 May 1997, pp. 36-43		
		XP000656035, ISSN: 0272-1732		
	A40	Bank, J.S., "Java Security," 8 December 1995, pp. 1-13, X-002092325		
	A41	Koved, L., Nadalin, A.J., Neal, D., Lawson, T., "The Evolution of Java Security," IBM, The		
	-	Ultimate Resource for Java Developers, 1998, pp. 1-14, XP002144222		
	A42	North, K., "Database Programming with OLE and ActiveX," DBMS, US, M&T Publ., Redwood		
	_	City, CA, US, 11-1996, pp. 1-8		
		1 1 1 1 1 1 1 1		

EXAMINER	DATE CONSIDERED	l
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FORM PTO-1449	- 20 m	SERIAL NO.		CASE NO.
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	OTHER ART – NON PATENT LITERATURE DOCUMENTS
(In sym	clude name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, posium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.
A43	Joshi, S.M., Veeramani, D., "Book Review. Increasing the Interoperability of CAD Packages. CAD and Office Integration: OLE for Design and Modeling – A New Technology for CA-Software," Computer Aided Design, Elsevier Publishers BV, Barking, GB, Vol. 29, No. 12, 12/01/1997, pp. 907
A44	Schmoll, J. "Wird OLE for Process Controll (OPC) Ein Neuer Industriestandard?", Automatisierungstechnische Praxis, ATP, Oldenbourg Verlag, Munchen, DE, Vol. 39, No. 5, 05/01/1997, pp. 11-12, 14-17
A45	Williams, S., Kindel, C., "The Component Object Model. The Foundation for OLE Services," Dr. Dobb's Special Report. Winter, 1994/95, Vol. 19, No. 16, 12/21/1994 pp. 14-22
A46	Smith, D., Tilley, S.R., Weiderman, N.H., "Transforming Legacy Application into Object-Oriented Applications Workshop, Will Net-Centric Computing Change the Reengineering Equation?" 1996, pp. 1-4
A47	Hamilton, M.A., "Java and the shift to Net-centric computer," Sun Microsystems, Computer, paper published Aug. 1996, ISSN: 0018-9162, Aug. 1996, pp. 31-39
A48	Engestrom, J., "Software Agents, Towards Transparent Mediation, A Technology Report for Salama Interactive, Jan. 1999, pp. 1-19.
A49	Morris, K.S. and Flater, D., "Standards-based software testing in a Net-Centric World," pp. 1-8 (cited by Examiner, no date given)
A50	Raje, R. and Chinnasamy, S., "Designing a distributed computing environment for global scale systems: challenges and issues," ACM SIGAPP Applied Computing Review, Vol. 7, Issue 1, Spring 1999, pp. 25-30.
A51	Copyright Registration for Netcentric Computing: Computing, Communications and knowledge, Reg. 9 Jan. 98, p. 1
A52	Kramer, D., "The Java™ Platform: A White Paper, JavaSoft, pp. 1-25, May 1996.
A53	www.empowermentzone.com/javacomp.txt, Sun Microsystems, pp. 1-18, 1996.
A54	Copy of co-pending patent application, U.S. Patent Application Serial No. 09/386,917, filed August 31, 1999; 340 pages, Inventor Michael K. Bowman-Amuah
A55	Copy of co-pending patent application, U.S. Patent Application Serial No. 10/647,411, filed August 25, 2003; 22 pages, Inventor Michael K. Bowman-Amuah
A56	Copy of co-pending patent application, U.S. Patent Application Serial No. 09/387,654, filed August 31, 1999; 818 pages, Inventor Michael K. Bowman-Amuah
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